

## USPTO PATENT FULL-TEXT AND IMAGE DATABASE

[Home](#)[Quick](#)[Advanced](#)[Pat Num](#)[Help](#)[Bottom](#)[View Cart](#)

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**Results of Search in All Years db for:**



**(((((control AND fuzzy) AND (pid OR pi)) AND computer) AND ((buffer OR memory) OR delay)) AND "feed forward")): 22 patents.**

**Hits 1 through 22 out of 22**

[Jump To](#)[Refine Search](#)

PAT. NO. Title

- 1 [6,385,474](#) **T** [Method and apparatus for high-resolution detection and characterization of medical pathologies](#)
- 2 [6,246,355](#) **T** [Radar cross-section measurement system for analysis of wooden structures](#)
- 3 [6,169,981](#) **T** [3-brain architecture for an intelligent decision and control system](#)
- 4 [6,157,894](#) **T** [Liquid gauging using sensor fusion and data fusion](#)
- 5 [6,112,517](#) **T** [Plant control system](#)
- 6 [6,008,618](#) **T** [Zero speed start-up for a speed sensorless induction motor drive](#)
- 7 [5,943,662](#) **T** [Supporting method and system for process operation](#)
- 8 [5,878,151](#) **T** [Moving object tracking](#)
- 9 [5,845,052](#) **T** [Supporting method and system for process operation](#)
- 10 [5,838,882](#) **T** [Dynamic position tracking and control of robots](#)
- 11 [5,810,759](#) **T** [Control system for regulating gas exchange in extracorporeal circulation](#)
- 12 [5,774,633](#) **T** [Supporting neural network method for process operation](#)
- 13 [5,767,648](#) **T** [Base force/torque sensor apparatus for the precise control of manipulators with joint friction and a method of use thereof](#)
- 14 [5,751,610](#) **T** [On-line robot work-cell calibration](#)
- 15 [5,704,200](#) **T** [Agricultural harvester ground tracking control system and method using fuzzy logic](#)
- 16 [5,535,577](#) **T** [Agricultural harvester with closed loop ground tracking control](#)
- 17 [5,519,605](#) **T** [Model predictive control apparatus and method](#)
- 18 [5,515,477](#) **T** [Neural networks](#)
- 19 [5,485,802](#) **T** [Method and apparatus for pulling monocrystals from a melt](#)
- 20 [5,463,854](#) **T** [Agricultural harvester with closed loop ground tracking control](#)

- 21 [5,251,288](#)  [Fuzzy inference apparatus with membership function adjustment](#)
- 22 [5,121,467](#)  [Neural network/expert system process control system and method](#)
- 

[Top](#)

[View Cart](#)

[Home](#)

[Quick](#)

[Advanced](#)

[Pat Num](#)

[Help](#)

## USPTO PATENT FULL-TEXT AND IMAGE DATABASE

<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>
<a href="#">Next List</a>		<a href="#">Bottom</a>	<a href="#">View Cart</a>	

*Searching All Years...*

**Results of Search in All Years db for:**

**(((((control AND fuzzy) AND (pid OR pi)) AND computer) AND ((buffer OR memory) OR delay))):**  
289 patents.

**Hits 1 through 50 out of 289**

Next 50 Hits

Jump To

Refine Search

control and fuzzy and (pid or pi) and computer and

- | PAT. NO.     | Title   |
|--------------|---|
| 1 6,394,952  | <a href="#"><b>T</b> Point of care diagnostic systems</a>   |
| 2 6,387,690  | <a href="#"><b>T</b> Endoglucanases</a>   |
| 3 6,385,474  | <a href="#"><b>T</b> Method and apparatus for high-resolution detection and characterization of medical pathologies</a>   |
| 4 6,378,315  | <a href="#"><b>T</b> Wireless method and apparatus for monitoring and controlling food temperature</a>  |
| 5 6,374,173  | <a href="#"><b>T</b> Terrain adaptive cruise control</a>  |
| 6 6,356,936  | <a href="#"><b>T</b> Relevance clause for computed relevance messaging</a>  |
| 7 6,354,842  | <a href="#"><b>T</b> Rolling toy with motion recording and playback capability</a>  |
| 8 6,349,553  | <a href="#"><b>T</b> Method and system for cooling electrical components</a>  |
| 9 6,349,237  | <a href="#"><b>T</b> Reconfigurable manufacturing system having a production capacity method for designing same and method for changing its production capacity</a> |
| 10 6,344,232 | <a href="#"><b>T</b> Computer controlled temperature and oxygen maintenance for fiber coating CVD</a>   |
| 11 6,341,256 | <a href="#"><b>T</b> Consensus configurational bias Monte Carlo method and system for pharmacophore structure determination</a>                                     |
| 12 6,339,767 | <a href="#"><b>T</b> Using hyperbolic trees to visualize data generated by patent-centric and group-oriented data processing</a>                                    |
| 13 6,330,484 | <a href="#"><b>T</b> Method and apparatus for fuzzy logic control with automatic tuning</a>   |
| 14 6,323,846 | <a href="#"><b>T</b> Method and apparatus for integrating manual input</a>  |
| 15 6,311,136 | <a href="#"><b>T</b> Digital flowmeter</a>  |
| 16 6,309,353 | <a href="#"><b>T</b> Methods and apparatus for tumor diagnosis</a>  |
| 17 6,308,649 | <a href="#"><b>T</b> Sailboat and crew performance optimization system</a>  |

- 18 [6,301,570](#) **T** [Programmable fuzzy analog processor](#)
  - 19 [6,301,370](#) **T** [Face recognition from video images](#)
  - 20 [6,298,454](#) **T** [Diagnostics in a process control system](#)
  - 21 [6,289,874](#) **T** [Electronic throttle control](#)
  - 22 [6,276,159](#) **T** [Sorption refrigeration appliance](#)
  - 23 [6,272,256](#) **T** [Fast compression of periodic halftoned bitonal images](#)
  - 24 [6,267,760](#) **T** [Surgical method and apparatus for positioning a diagnostic or therapeutic element within the body and forming an incision in tissue with minimal blood loss](#)
  - 25 [6,267,722](#) **T** [Point of care diagnostic systems](#)
  - 26 [6,266,057](#) **T** [Information processing system](#)
  - 27 [6,264,774](#) **T** [Card laminator with regulatory control](#)
  - 28 [6,263,697](#) **T** [Sorber having flexible housing](#)
  - 29 [6,263,362](#) **T** [Inspector for computed relevance messaging](#)
  - 30 [6,263,260](#) **T** [Home and building automation system](#)
  - 31 [6,259,222](#) **T** [Device and method for regulating maximum loading on an electric motor in an aggregate feed replenishing system](#)
  - 32 [6,256,664](#) **T** [Method and apparatus for computed relevance messaging](#)
  - 33 [6,250,560](#) **T** [Variable-air-volume diffuser actuator assembly and method](#)
  - 34 [6,247,678](#) **T** [Shape memory alloy actuated fluid control valve](#)
  - 35 [6,247,128](#) **T** [Computer manufacturing with smart configuration methods](#)
  - 36 [6,246,355](#) **T** [Radar cross-section measurement system for analysis of wooden structures](#)
  - 37 [6,243,694](#) **T** [System and method for generating a fuel-optimal reference velocity profile for a rail-based transportation handling controller](#)
  - 38 [6,240,207](#) **T** [Handwriting input display apparatus having improved speed in changing display of entered handwriting](#)
  - 39 [6,230,152](#) **T** [Fuzzy controller for loop management operating system](#)
  - 40 [6,214,560](#) **T** [Analyte assay using particulate labels](#)
  - 41 [6,199,030](#) **T** [Heightened realism for computer-controlled units in real-time activity simulation](#)
  - 42 [6,197,021](#) **T** [Systems and methods for controlling tissue ablation using multiple temperature sensing elements](#)
  - 43 [6,195,626](#) **T** [Heightened realism for computer-controlled units in real-time simulation](#)
  - 44 [6,192,325](#) **T** [Method and apparatus for establishing a predictive maintenance database](#)
  - 45 [6,192,283](#) **T** [Method and apparatus for adaptive control of a system or device](#)
  - 46 [6,179,835](#) **T** [Expandable-collapsible electrode structures made of electrically conductive material](#)
  - 47 [6,179,618](#) **T** [Heightened realism for computer-controlled units in real-time activity simulation](#)
  - 48 [6,173,583](#)  [Withdrawn](#)
  - 49 [6,171,480](#) **T** [Automated closed recirculating aquaculture filtration system](#)
  - 50 [6,169,981](#) **T** [3-brain architecture for an intelligent decision and control system](#)
-

	<a href="#">Next List</a>	<a href="#">Top</a>	<a href="#">View Cart</a>	
<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>

## USPTO PATENT FULL-TEXT AND IMAGE DATABASE

<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>
<a href="#">Prev. List</a>	<a href="#">Next List</a>	<a href="#">Bottom</a>	<a href="#">View Cart</a>	

*Searching All Years...*

**Results of Search in All Years db for:**

**(((control AND fuzzy) AND (pid OR pi)) AND computer) AND ((buffer OR memory) OR delay)):**  
289 patents.

*Hits 51 through 100 out of 289*

[Prev. 50 Hits](#)

[Next 50 Hits](#)

[Jump To](#)

[Refine Search](#)

control and fuzzy and (pid or pi) and computer and

PAT. NO.	Title
51 <a href="#">6,162,184</a>	<a href="#">T Systems and methods for sensing temperature within the body</a>
52 <a href="#">6,157,894</a>	<a href="#">T Liquid gauging using sensor fusion and data fusion</a>
53 <a href="#">6,154,541</a>	<a href="#">T Method and apparatus for a robust high-speed cryptosystem</a>
54 <a href="#">6,152,920</a>	<a href="#">T Surgical method and apparatus for positioning a diagnostic or therapeutic element within the body</a>
55 <a href="#">6,150,179</a>	<a href="#">T Method of using solid state NMR to measure distances between nuclei in compounds attached to a surface</a>
56 <a href="#">6,142,994</a>	<a href="#">T Surgical method and apparatus for positioning a diagnostic a therapeutic element within the body</a>
57 <a href="#">6,131,085</a>	<a href="#">T Answer collection and retrieval system governed by a pay-off meter</a>
58 <a href="#">6,125,650</a>	<a href="#">T Sorber having a cooling mechanism</a>
59 <a href="#">6,121,424</a>	<a href="#">T Multivalent antigen-binding proteins</a>
60 <a href="#">6,120,496</a>	<a href="#">T Surgical method and apparatus for positioning a diagnostic or therapeutic element within the body and coupling device for use with same</a>
61 <a href="#">6,118,474</a>	<a href="#">T Omnidirectional imaging apparatus</a>
62 <a href="#">6,116,039</a>	<a href="#">T Cooling apparatus having integrated sorber-evaporator structure</a>
63 <a href="#">6,112,517</a>	<a href="#">T Plant control system</a>
64 <a href="#">6,110,215</a>	<a href="#">T Heightened realism for computer-controlled units in real-time activity simulation</a>
65 <a href="#">6,106,785</a>	<a href="#">T Polymerization process controller</a>

- 66 [6,103,889](#) **T** [Nucleic acid molecules encoding single-chain antigen-binding proteins](#)
- 67 [6,099,526](#) **T** [Electrode structure including hydrophilic material](#)
- 68 [6,082,129](#) **T** [Sorption refrigeration appliance](#)
- 69 [6,081,750](#) **T** [Ergonomic man-machine interface incorporating adaptive pattern recognition based control system](#)
- 70 [6,078,911](#) **T** [Compilation of rule bases for fuzzy logic control](#)
- 71 [6,078,701](#) **T** [Method and apparatus for performing local to global multiframe alignment to construct mosaic images](#)
- 72 [6,075,770](#) **T** [Power spectrum-based connection admission control for ATM networks](#)
- 73 [6,074,203](#) **T** [Method for supplying gas to a chamber and method for regulating the content of a given element in the atmosphere of such a chamber](#)
- 74 [6,071,281](#) **T** [Surgical method and apparatus for positioning a diagnostic or therapeutic element within the body and remote power control unit for use with same](#)
- 75 [6,071,278](#) **T** [Tissue heating and ablation systems and methods using porous electrode structures with specified electrical resistivities](#)
- 76 [6,067,534](#) **T** [Method and equipment for the control of a data transfer connection](#)
- 77 [6,062,481](#) **T** [Optimal error-detecting, error-correcting and other coding and processing, particularly for bar codes, and applications therefor such as counterfeit detection](#)
- 78 [6,056,745](#) **T** [Systems and methods for obtaining desired lesion characteristics while ablating body tissue](#)
- 79 [6,055,822](#) **T** [Circuit-board mounted cooling apparatus for a computer](#)
- 80 [6,055,524](#) **T** [Model-free adaptive process control](#)
- 81 [6,053,912](#) **T** [Systems and methods for sensing sub-surface temperatures in body tissue during ablation with actively cooled electrodes](#)
- 82 [6,047,192](#) **T** [Robust, efficient, localization system](#)
- 83 [6,044,661](#) **T** [Coaxial waveguide applicator for an electromagnetic wave-activated sorption system](#)
- 84 [6,043,878](#) **T** [Device for optical and electrochemical measurements in microliter size samples](#)
- 85 [6,041,856](#) **T** [Real-time pump optimization system](#)
- 86 [6,038,883](#) **T** [Electromagnetic wave-activated sorption refrigeration system](#)
- 87 [6,038,878](#) **T** [Method and apparatus for cooling electrical components](#)
- 88 [6,035,656](#) **T** [Method and apparatus for cooling electrical components](#)
- 89 [6,032,477](#) **T** [Method and apparatus for cooling electrical components](#)
- 90 [6,032,476](#) **T** [Electronic device cooling apparatus](#)
- 91 [6,030,379](#) **T** [Systems and methods for seeking sub-surface temperature conditions during tissue ablation](#)
- 92 [6,029,195](#) **T** [System for customized electronic identification of desirable objects](#)
- 93 [6,027,725](#) **T** [Multivalent antigen-binding proteins](#)
- 94 [6,025,165](#) **T** [Methods for producing multivalent antigen-binding proteins](#)
- 95 [6,014,473](#) **T** [Multiple ultrasound image registration system, method and transducer](#)
- 96 [6,010,052](#) **T** [Yarn supply apparatus with electronic control](#)

- 97 [6,008,618](#) **T** [Zero speed start-up for a speed sensorless induction motor drive](#)
- 98 [6,005,964](#) **T** [Automatic machine vision microscope slide inspection system and method](#)
- 99 [6,001,639](#) **T** [Endoglucanases](#)
- 100 [5,999,918](#) **T** [Interactive color confidence indicators for statistical data](#)

[Prev. List](#)

[Next List](#)

[Top](#)

[View Cart](#)

[Home](#)

[Quick](#)

[Advanced](#)

[Pat Num](#)

[Help](#)



## USPTO PATENT FULL-TEXT AND IMAGE DATABASE

<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>
<a href="#">Prev. List</a>	<a href="#">Next List</a>	<a href="#">Bottom</a>	<a href="#">View Cart</a>	

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289 patents.

Hits 101 through 150 out of 289

[Prev. 50 Hits](#)

[Next 50 Hits](#)

[Jump To](#)

[Refine Search](#)

PAT. NO.	Title
101 <a href="#">5,995,868</a>	<a href="#">System for the prediction, rapid detection, warning, prevention, or control of changes in activity states in the brain of a subject</a>
102 <a href="#">5,995,737</a>	<a href="#">System and method for tuning a rail-based transportation system speed controller</a>
103 <a href="#">5,992,168</a>	<a href="#">Circuit board having an integral sorber</a>
104 <a href="#">5,983,144</a>	<a href="#">System and method for tuning look-ahead error measurements in a rail-based transportation handling controller</a>
105 <a href="#">5,980,103</a>	<a href="#">Apparatus and method for testing thermal fatigue resistance</a>
106 <a href="#">5,974,521</a>	<a href="#">Apparatus and method for signal processing</a>
107 <a href="#">5,968,263</a>	<a href="#">Open-loop method and system for controlling growth of semiconductor crystal</a>
108 <a href="#">5,961,831</a>	<a href="#">Automated closed recirculating aquaculture filtration system and method</a>
109 <a href="#">5,961,513</a>	<a href="#">Tissue heating and ablation systems and methods using porous electrode structures</a>
110 <a href="#">5,959,726</a>	<a href="#">Modulation transfer function test compensation for test pattern duty cycle</a>
111 <a href="#">5,956,464</a>	<a href="#">Fuzzy logic controlled endometrium ablator</a>
112 <a href="#">5,947,370</a>	<a href="#">Apparatus and method for real time boiling point detection and control</a>
113 <a href="#">5,946,673</a>	<a href="#">Computer implemented machine learning and control system</a>
114 <a href="#">5,943,663</a>	<a href="#">Data processing method and system utilizing parallel processing</a>
115 <a href="#">5,943,662</a>	<a href="#">Supporting method and system for process operation</a>
116 <a href="#">5,941,305</a>	<a href="#">Real-time pump optimization system</a>

- 117 [5,940,081](#) **T** [Method and apparatus for forming a font and the font produced method and apparatus for drawing a blurred figure](#)
- 118 [5,939,015](#) **T** [Centercore process for gas assisted injection molding](#)
- 119 [5,930,136](#) **T** [Control device for controlling a controlled apparatus, and a control method therefor](#)
- 120 [5,925,038](#) **T** [Expandable-collapsible electrode structures for capacitive coupling to tissue](#)
- 121 [5,921,099](#) **T** [Air conditioner temperature control apparatus](#)
- 122 [5,920,477](#) **T** [Human factored interface incorporating adaptive pattern recognition based controller apparatus](#)
- 123 [5,917,912](#) **T** [System and methods for secure transaction management and electronic rights protection](#)
- 124 [5,917,490](#) **T** [Interactive information processing system responsive to user manipulation of physical objects and displayed images](#)
- 125 [5,916,259](#) **T** [Coaxial waveguide applicator for an electromagnetic wave-activated sorption system](#)
- 126 [5,906,560](#) **T** [Power train controller and control method](#)
- 127 [5,903,454](#) **T** [Human-factored interface incorporating adaptive pattern recognition based controller apparatus](#)
- 128 [5,901,246](#) **T** [Ergonomic man-machine interface incorporating adaptive pattern recognition based control system](#)
- 129 [5,895,458](#) **T** [Apparatus and method in which control rules can be changed during fuzzy reasoning operations and control system and method in which changeover is controlled by fuzzy reasoning](#)
- 130 [5,891,136](#) **T** [Expandable-collapsible mesh electrode structures](#)
- 131 [5,891,135](#) **T** [Stem elements for securing tubing and electrical wires to expandable-collapsible electrode structures](#)
- 132 [5,879,348](#) **T** [Electrode structures formed from flexible, porous, or woven materials](#)
- 133 [5,878,151](#) **T** [Moving object tracking](#)
- 134 [5,875,108](#) **T** [Ergonomic man-machine interface incorporating adaptive pattern recognition based control system](#)
- 135 [5,873,258](#) **T** [Sorption refrigeration appliance](#)
- 136 [5,871,483](#) **T** [Folding electrode structures](#)
- 137 [5,869,620](#) **T** [Multivalent antigen-binding proteins](#)
- 138 [5,868,736](#) **T** [Systems and methods to control tissue heating or ablation with porous electrode structures](#)
- 139 [5,867,649](#) **T** [Dance/multitude concurrent computation](#)
- 140 [5,867,456](#) **T** [Intelligent optical disk drive control method](#)
- 141 [5,867,386](#) **T** [Morphological pattern recognition based controller system](#)
- 142 [5,855,119](#) **T** [Method and apparatus for cooling electrical components](#)
- 143 [5,853,411](#) **T** [Enhanced electrical connections for electrode structures](#)
- 144 [5,846,265](#) **T** [Closed-loop textile dyeing process utilizing real-time metered dosing of dyes and chemicals](#)
- 145 [5,846,239](#) **T** [Tissue heating and ablation systems and methods using segmented porous electrode](#)

structures

- 146 [5,846,238](#) **T** [Expandable-collapsible electrode structures with distal end steering or manipulation](#)
- 147 [5,845,052](#) **T** [Supporting method and system for process operation](#)
- 148 [5,842,356](#) **T** [Electromagnetic wave-activated sorption refrigeration system](#)
- 149 [5,840,076](#) **T** [Tissue heating and ablation systems and methods using electrode structures with distally oriented porous regions](#)
- 150 [5,838,882](#) **T** [Dynamic position tracking and control of robots](#)

---

<a href="#">Prev. List</a>	<a href="#">Next List</a>	<a href="#">Top</a>	<a href="#">View Cart</a>	
<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>

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<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>
<a href="#">Prev. List</a>	<a href="#">Next List</a>	<a href="#">Bottom</a>	<a href="#">View Cart</a>	

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289 patents.

Hits 151 through 200 out of 289

[Prev. 50 Hits](#)

[Next 50 Hits](#)

[Jump To](#)

[Refine Search](#)

PAT. NO.	Title
151 <a href="#">5,835,630</a>	<a href="#">T Modular time-varying two-dimensional filter</a>
152 <a href="#">5,835,087</a>	<a href="#">T System for generation of object profiles for a system for customized electronic identification of desirable objects</a>
153 <a href="#">5,830,213</a>	<a href="#">T Systems for heating and ablating tissue using multifunctional electrode structures</a>
154 <a href="#">5,818,714</a>	<a href="#">T Process control system with asymptotic auto-tuning</a>
155 <a href="#">5,815,400</a>	<a href="#">T Machining method using numerical control apparatus</a>
156 <a href="#">5,814,784</a>	<a href="#">T Laser-welding techniques using pre-heated tool and enlarged beam</a>
157 <a href="#">5,812,698</a>	<a href="#">T Handwriting recognition system and method</a>
158 <a href="#">5,810,802</a>	<a href="#">T Systems and methods for controlling tissue ablation using multiple temperature sensing elements</a>
159 <a href="#">5,810,759</a>	<a href="#">T Control system for regulating gas exchange in extracorporeal circulation</a>
160 <a href="#">5,809,322</a>	<a href="#">T Apparatus and method for signal processing</a>
161 <a href="#">5,804,940</a>	<a href="#">T Device designed to compensate for non-linearity of machine shafts</a>
162 <a href="#">5,800,432</a>	<a href="#">T Systems and methods for actively cooling ablation electrodes using diodes</a>
163 <a href="#">5,797,903</a>	<a href="#">T Tissue heating and ablation systems and methods using porous electrode structures with electrically conductive surfaces</a>
164 <a href="#">5,796,919</a>	<a href="#">T Method of constructing and designing fuzzy controllers</a>
165 <a href="#">5,796,608</a>	<a href="#">T Self controllable regulator device</a>
166 <a href="#">5,774,633</a>	<a href="#">T Supporting neural network method for process operation</a>

- 167 [5,774,357](#) **T** [Human factored interface incorporating adaptive pattern recognition based controller apparatus](#)
- 168 [5,769,847](#) **T** [Systems and methods for controlling tissue ablation using multiple temperature sensing elements](#)
- 169 [5,767,648](#) **T** [Base force/torque sensor apparatus for the precise control of manipulators with joint friction and a method of use thereof](#)
- 170 [5,761,626](#) **T** [System and method for distinguishing and characterizing motor vehicles for control of automatic drivers](#)
- 171 [5,758,025](#) **T** [Dynamically adaptive fuzzy interval controller](#)
- 172 [5,757,760](#) **T** [Information recording and/or reproducing apparatus and method for performing recording and/or reproduction of information by using probe](#)
- 173 [5,754,939](#) **T** [System for generation of user profiles for a system for customized electronic identification of desirable objects](#)
- 174 [5,754,938](#) **T** [Pseudonymous server for system for customized electronic identification of desirable objects](#)
- 175 [5,751,610](#) **T** [On-line robot work-cell calibration](#)
- 176 [5,748,852](#) **T** [Fuzzy-logic classification system](#)
- 177 [5,748,467](#) **T** [Method of adapting and applying control parameters in non-linear process controllers](#)
- 178 [5,745,651](#) **T** [Speech synthesis apparatus and method for causing a computer to perform speech synthesis by calculating product of parameters for a speech waveform and a read waveform generation matrix](#)
- 179 [5,735,846](#) **T** [Systems and methods for ablating body tissue using predicted maximum tissue temperature](#)
- 180 [5,732,227](#) **T** [Interactive information processing system responsive to user manipulation of physical objects and displayed images](#)
- 181 [5,726,880](#) **T** [Method of and apparatus for controlling a process](#)
- 182 [5,719,999](#) **T** [Fuzzy control apparatus in which rules can be changed, method of operating same, control system in which changeover is controlled by fuzzy reasoning, and method of controlling the same](#)
- 183 [5,704,200](#) **T** [Agricultural harvester ground tracking control system and method using fuzzy logic](#)
- 184 [5,691,896](#) **T** [Field based process control system with auto-tuning](#)
- 185 [5,688,267](#) **T** [Systems and methods for sensing multiple temperature conditions during tissue ablation](#)
- 186 [5,682,466](#) **T** [Information processing apparatus for obtaining output data from plural sets of input and output data values](#)
- 187 [5,681,494](#) **T** [Temperature control method for fixing device and fixing device and image forming apparatus using same temperature control method](#)
- 188 [5,680,409](#) **T** [Method and apparatus for detecting and identifying faulty sensors in a process](#)
- 189 [5,677,757](#) **T** [Projection exposure apparatus](#)
- 190 [5,677,609](#) **T** [Intelligent servomechanism controller](#)
- 191 [5,670,112](#) **T** [Multiphase matter introduction with a plasticating screw arrangement](#)
- 192 [5,665,941](#) **T** [Method and apparatus for filtering out signal components from output signals of a](#)

differential dosing scale using a fuzzy logic filter

- 193 [5,662,693](#) **T** Mobility assist for the paralyzed, amputee and spastic person
- 194 [5,662,085](#) **T** Method and device for controlling the speed of an internal combustion engine during a deceleration phase
- 195 [5,659,479](#) **T** Method and apparatus for real-time control of laser processing of materials
- 196 [5,655,056](#) **T** Fuzzy controller group control system
- 197 [5,651,100](#) **T** Approximate reasoning apparatus
- 198 [5,642,707](#) **T** Method and device for controlling the idling speed of an internal combustion engine
- 199 [5,640,002](#) **T** Portable RF ID tag and barcode reader
- 200 [5,638,492](#) **T** Information processing apparatus and monitoring apparatus
- 

<a href="#">Prev. List</a>	<a href="#">Next List</a>	<a href="#">Top</a>	<a href="#">View Cart</a>	
<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>

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<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>
<a href="#">Prev. List</a>	<a href="#">Next List</a>	<a href="#">Bottom</a>	<a href="#">View Cart</a>	

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Hits 201 through 250 out of 289

[Prev. 50 Hits](#)

[Final 39 Hits](#)

[Jump To](#)

[Refine Search](#)

PAT. NO.	Title
201 <a href="#">5,625,754</a>	<a href="#">T Method of evaluating a set of linguistic rules</a>
202 <a href="#">5,625,561</a>	<a href="#">T Apparatus and method for feedback adjusting machine working condition for improving dimensional accuracy of processed workpieces</a>
203 <a href="#">5,621,519</a>	<a href="#">T Imaging system transfer function control method and apparatus</a>
204 <a href="#">5,619,966</a>	<a href="#">T Method for controlling an internal combustion engine as it enters low-idle speed</a>
205 <a href="#">5,613,369</a>	<a href="#">T Air conditioner and control method for an air conditioner</a>
206 <a href="#">5,608,843</a>	<a href="#">T Learning controller with advantage updating algorithm</a>
207 <a href="#">5,598,304</a>	<a href="#">T Fuzzy controller for an actuator and the controlling method thereof</a>
208 <a href="#">5,594,810</a>	<a href="#">T Method and apparatus for recognizing gestures on a computer system</a>
209 <a href="#">5,590,219</a>	<a href="#">T Method and apparatus for recognizing gestures on a computer system</a>
210 <a href="#">5,588,721</a>	<a href="#">T Vibration analysis of the rotating wheel for controlling anti-lock braking operation</a>
211 <a href="#">5,586,033</a>	<a href="#">T Control system with neural network trained as general and local models</a>
212 <a href="#">5,583,950</a>	<a href="#">T Method and apparatus for flash correlation</a>
213 <a href="#">5,583,946</a>	<a href="#">T Method and apparatus for recognizing gestures on a computer system</a>
214 <a href="#">5,583,769</a>	<a href="#">T Automatic train operation apparatus incorporating security function with improved reliability</a>
215 <a href="#">5,572,629</a>	<a href="#">T High performance fuzzy logic processing method</a>
216 <a href="#">5,568,378</a>	<a href="#">T Variable horizon predictor for controlling dead time dominant processes, multivariable interactive processes, and processes with time variant dynamics</a>

- 217 [5,548,110](#) **T** [Optical error-detecting, error-correcting and other coding and processing, particularly for bar codes, and applications therefor such as counterfeit detection](#)
- 218 [5,541,832](#) **T** [Control device for controlling a controlled apparatus, and a control method therefor](#)
- 219 [5,535,577](#) **T** [Agricultural harvester with closed loop ground tracking control](#)
- 220 [5,528,730](#) **T** [Method of control rule generation and method of fuzzy control using the same, and apparatus for automatic control rule generation and fuzzy control apparatus using the same](#)
- 221 [5,523,957](#) **T** [Process for controlling rotary calcining kilns, and control system therefor](#)
- 222 [5,523,565](#) **T** [Use of a mass spectrometer with secondary ionization for the inspection of containers](#)
- 223 [5,519,605](#) **T** [Model predictive control apparatus and method](#)
- 224 [5,517,420](#) **T** [Method and apparatus for real-time control of laser processing of materials](#)
- 225 [5,515,477](#) **T** [Neural networks](#)
- 226 [5,515,476](#) **T** [Fuzzy control apparatus in which rules can be changed, method of operating same, control system in which changeover is controlled by fuzzy reasoning, and method of controlling the same](#)
- 227 [5,510,698](#) **T** [Markov chain controlled random modulation of switching signals in power converters](#)
- 228 [5,497,331](#) **T** [Semiconductor integrated circuit device fabrication method and its fabrication apparatus](#)
- 229 [5,487,130](#) **T** [Fuzzy rule acquisition method and apparatus for fuzzy inference system and fuzzy inference system using the apparatus](#)
- 230 [5,486,998](#) **T** [Process stabilizing process controller](#)
- 231 [5,485,802](#) **T** [Method and apparatus for pulling monocrystals from a melt](#)
- 232 [5,471,381](#) **T** [Intelligent servomechanism controller](#)
- 233 [5,463,854](#) **T** [Agricultural harvester with closed loop ground tracking control](#)
- 234 [5,430,642](#) **T** [Control device for controlling a controlled apparatus, and a control method therefor](#)
- 235 [5,425,109](#) **T** [System for identifying freehand drawings](#)
- 236 [5,410,470](#) **T** [Process control method and system with employment of fuzzy inference](#)
- 237 [5,410,118](#) **T** [Method and device for controlling a spark erosion machine](#)
- 238 [5,404,289](#) **T** [Controller apparatus having improved transient response speed by means of self-tuning variable set point weighting](#)
- 239 [5,394,678](#) **T** [Electronic control for turf maintenance vehicle](#)
- 240 [5,376,770](#) **T** [Process and device for machining workpieces by means of a laser beam](#)
- 241 [5,344,070](#) **T** [Computer-controlled automotive air conditioning system with fuzzy inference](#)
- 242 [5,341,323](#) **T** [Fuzzy membership function circuit](#)
- 243 [5,331,565](#) **T** [Control system having optimality decision means](#)
- 244 [5,321,621](#) **T** [Method of optimizing the control of looms for improving the economic efficiency of a weaving mill](#)
- 245 [5,305,424](#) **T** [Data forming method for a multi-stage fuzzy processing system](#)
- 246 [5,303,385](#) **T** [Control system having optimality decision means](#)



- 247 [5,288,938](#) **T** [Method and apparatus for controlling electronic tone generation in accordance with a detected type of performance gesture](#)
- 248 [5,285,378](#) **T** [Apparatus for and method of automatically tuning and setting control parameters for a numerical control unit](#)
- 249 [5,272,428](#) **T** [Fuzzy logic integrated control method and apparatus to improve motor efficiency](#)
- 250 [5,267,348](#) **T** [Method and system for evaluating and modifying fuzzy knowledge](#)
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<a href="#">Prev. List</a>	<a href="#">Next List</a>	<a href="#">Top</a>	<a href="#">View Cart</a>	
<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>

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<a href="#">Home</a>	<a href="#">Quick</a>	<a href="#">Advanced</a>	<a href="#">Pat Num</a>	<a href="#">Help</a>
<a href="#">Prev. List</a>		<a href="#">Bottom</a>	<a href="#">View Cart</a>	

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Hits 251 through 289 out of 289

Prev. 50 Hits

Jump To

Refine Search

PAT. NO.	Title
251 <a href="#">5,259,063</a>	<a href="#">Reconfigurable fuzzy cell</a>
252 <a href="#">5,251,288</a>	<a href="#">Fuzzy inference apparatus with membership function adjustment</a>
253 <a href="#">5,245,529</a>	<a href="#">Two degrees of freedom type control system</a>
254 <a href="#">5,245,528</a>	<a href="#">Process control apparatus and method for adjustment of operating parameters of controller of the process control apparatus</a>
255 <a href="#">5,241,651</a>	<a href="#">Operating method and adjusting device in fuzzy control apparatus</a>
256 <a href="#">5,214,745</a>	<a href="#">Artificial neural device utilizing phase orientation in the complex number domain to encode and decode stimulus response patterns</a>
257 <a href="#">5,213,077</a>	<a href="#">Gain adjusting device for PID controller for controlling rotational speed of internal combustion engine</a>
258 <a href="#">5,206,566</a>	<a href="#">Access method of actuator and control apparatus therefor</a>
259 <a href="#">5,204,935</a>	<a href="#">Programmable fuzzy logic circuits</a>
260 <a href="#">5,199,077</a>	<a href="#">Wordspotting for voice editing and indexing</a>
261 <a href="#">5,173,224</a>	<a href="#">Fuzzy inference thermocontrol method for an injection molding machine with a PID control</a>
262 <a href="#">5,170,935</a>	<a href="#">Adaptable control of HVAC systems</a>
263 <a href="#">5,165,011</a>	<a href="#">System for switching a rule group</a>
264 <a href="#">5,153,822</a>	<a href="#">Programmable logic circuit with delayed input and feedback</a>
265 <a href="#">5,149,472</a>	<a href="#">Fuzzy inference thermocontrol method for an injection molding machine</a>
266 <a href="#">5,148,977</a>	<a href="#">Control system for air-conductioner</a>
267 <a href="#">5,148,385</a>	<a href="#">Serial systolic processor</a>

- 268 [5,142,664](#) **T** [Processing unit using truth-valued flow](#)
- 269 [5,140,669](#) **T** [Truth-valued-flow inference unit](#)
- 270 [5,135,688](#) **T** [Fuzzy inference thermocontrol method for an injection molding machine with a plurality of means for heating or cooling](#)
- 271 [5,127,063](#) **T** [Processor for pattern data, measured process information, and image information](#)
- 272 [5,126,600](#) **T** [Truth value generating basic circuit suitable for analog inputs](#)
- 273 [5,121,467](#) **T** [Neural network/expert system process control system and method](#)
- 274 [5,121,466](#) **T** [Processing unit using truth-valued flow](#)
- 275 [5,113,366](#) **T** [Fuzzy membership function circuit](#)
- 276 [5,073,863](#) **T** [Truth value converter](#)
- 277 [4,992,927](#) **T** [Self-propagating control apparatus and method, propagating-type controller used by said apparatus, method of operating and controlling same, and supervisor](#)
- 278 [4,980,857](#) **T** [Operations controller for a fault tolerant multiple node processing system](#)
- 279 [4,972,415](#) **T** [Voter subsystem for a fault tolerant multiple node processing system](#)
- 280 [4,942,516](#) **T** [Single chip integrated circuit computer architecture](#)
- 281 [4,933,940](#) **T** [Operations controller for a fault tolerant multiple node processing system](#)
- 282 [4,926,826](#) **T** [Electric air-fuel ratio control apparatus for use in internal combustion engine](#)
- 283 [4,914,657](#) **T** [Operations controller for a fault tolerant multiple node processing system](#)
- 284 [4,903,192](#) **T** [Pid controller system](#)
- 285 [4,896,271](#) **T** [Method and apparatus for measuring jitter in a periodic signal](#)
- 286 [4,837,725](#) **T** [Fuzzy membership function circuit](#)
- 287 [4,816,989](#) **T** [Synchronizer for a fault tolerant multiple node processing system](#)
- 288 [4,805,107](#) **T** [Task scheduler for a fault tolerant multiple node processing system](#)
- 289 [3,961,191](#) **T** [Coded imaging systems](#)